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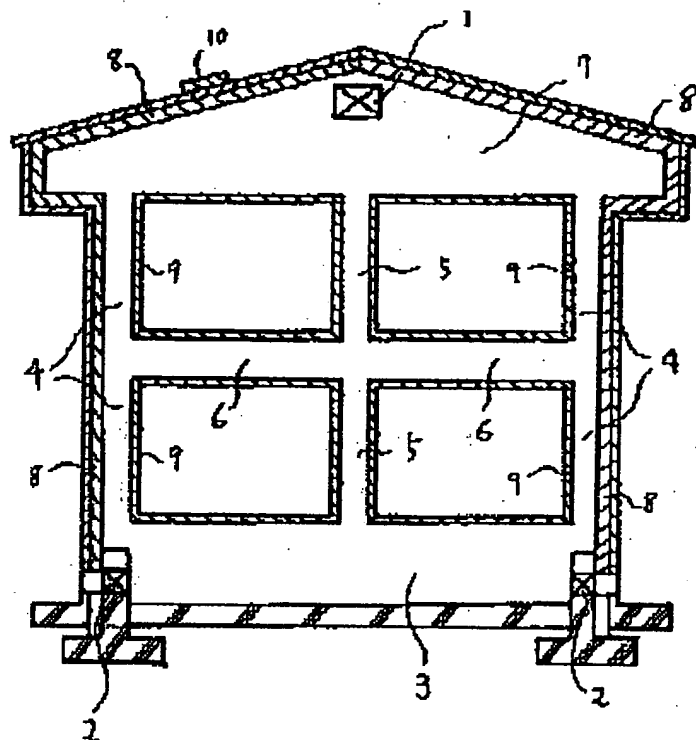
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Search scope: US Granted US Applications EP-A EP-B WO JP ; Full patent spec.

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JP62123240 (^) A

VENTILATION SYSTEM FOR INDOOR OF DWELLING STRUCTURE

AIR CYCLE SANGYO KK

Inventor(s): TANAKA YOSHIKI

Application No. 60260510 JP60260510 JP, Filed 19851120, A1 Published 19870604

Abstract: PURPOSE: To promote a ventilation (^) within a building structure, prevent the invasion of dew and fungus (^) and increase a durability of a building by a method wherein spacings within

dwelling structure such as under-floor space, inner wall (^) space and partition wall (^) space are communicated to each other, an outdoor weather condition is detected by a sensor, and both attic ventilation (^) port or the building and the under- floor ventilation (^) port are automatically opened or closed.

CONSTITUTION: In a building, structures such as foundation, columns and roof rafter or the like are completely covered with heat insulation material 8. In order to perform a sufficient vertical ventilation (^) within a structure, an inner wall (^) space 4 and a partition wall (^) space 5 are assured, and each of them is communicated with an under-floor space 3, an enclosed space 6 between the first and second floors and an attic space 7, respectively. Under-floor ground surface is provided with a soil cover and a ground concrete in order to prevent damp air. The attic ventilation (^) port 1 is located at a high position of a roof and under- floor ventilation (^) ports 2 are fixed to a continuous footing with a spacing of about 4m. A sensor 10 is fixed to a roof to detect an outdoor air temperature, humidity and sun shine or the like, and to control an automatic opening or closing of the small room ventilation (^) port 1 and the under-floor ventilation (^) port 2.

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Int'l Class: F24F00704; F24F007007

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